

BCM SCHOOL BASANT AVENUE DUGRI road Ludhiana

Chemistry Assignment

Class XII SCIENCE

Aldehydes ketones and Carboxylic acids

- Q-1 Why ketones do not give Cannizaro Reaction?
- Q-2 What is the role of Base in Aldol condensation reaction?
- Q-3 Why ketones have slightly higher boiling point than aldehydes?
- Q-4 What is the significance of reaction of sodium hydrosulphite with carbonyl compounds?
- Q-5 How would you prepare lactic acid from acetaldehyde?
- Q-6 How would you convert acetylene into acetaldehyde?
- Q-7 Out of Fehling's and Tollen's reagents which is stronger oxidising agent and why?
- Q-8 Why ketones are less reactive than aldehydes towards nucleophilic addition reactions?
- Q-9 Why oxidation of ketones requires higher temperature?
- Q-10 Give formula of DIBAL-H . What is its significance?
- Q-11 How would you distinguish between Benzophenone and Acetophenone?
- Q-12 Write Wolfkishner reduction of Propiophenone.Name reducing agent used in this reaction.
- Q-13 Why is it necessary to maintain pH between 3 to 5 during reaction of carbonyl compounds with ammonia derivatives?
- Q-14 What is the role of sodium hypoiodite in Haloform reaction.write Haloform reaction with phenyl acetone.
- Q-15 Why carboxylic acids do not give nucleophilic addition reactions?
- Q-16 What happens when sodium iodite is added to Butan-2-one?
- Q-17 What is the role of base in formation of cyanohydrin from carbonyl compounds?
- Q-18 How would you prepare imine from Valeraldehyde ?
- Q-19 Write Cannizaro Reaction between formaldehyde and benzaldehyde.
- Q-20 Why we can not prepare formaldehyde by Rosenmund reaction?